

Date: Friday, 17/08/2007 11:21:23 AM  
User: Linda Lacelle

# Process Sheet

<b>Customer</b> : CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> : SPACER RING
<b>Job Number</b> : 34085	
<b>Estimate Number</b> : 12176	
<b>P.O. Number</b> : N/A	<b>Part Number</b> : D34765
<b>This Issue</b> : 17/08/2007 <b>S.O. No.</b> : N/A	<b>Drawing Number</b> : D3476 REV A
<b>Prsht Rev.</b> : NC	<b>Project Number</b> : N/A
<b>First Issue</b> : N/A <b>Type</b> : PURCHASED PARTS	<b>Drawing Revision</b> : A
<b>Previous Run</b> : 26995	<b>Material</b> : N/A
<b>Written By</b> : <u>[Signature]</u>	<b>Due Date</b> : 11/09/2007 <b>Qty:</b> 10 <b>Um:</b> Each
<b>Checked &amp; Approved By</b> : <u>9/07/08 20</u>	
<b>Comment</b> : Est Rev:A New Issue 06-02-03 JLM	

## Additional Product

Job Number:



<b>Seq. #:</b>	<b>Machine Or Operation:</b>	<b>Description :</b>
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1.0	M304S16GA	304/316 .063 Sheet
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**Comment:** Qty.: 0.0907 sf(s)/Unit Total: 0.9072 sf(s)

304/316 .063 Sheet

Batch: M105120 = 10 + 1 scrap = 11 total SAD 07/08/21

2.0	WATER JET	FLOW WATER JET
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**Comment:** FLOW WATER JET

Cut as per Dwg D3476

Dwg Rev: A

Prog Rev: A

SAD 07/08/21 10

3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
-----	-----	--



**Comment:** INSPECT PARTS AS THEY COME OFF MACHINE

SAD 07/08/21 10

4.0	QC8	SECOND CHECK
-----	-----	--------------



**Comment:** SECOND CHECK

En 07/08/22

5.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
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**Comment:** SMALL & MEDIUM FAB RESOURCE 1

1-Deburr if necessary.


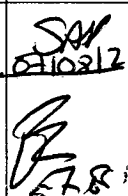
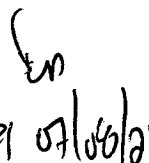

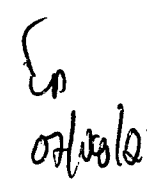
2-Roll as per Dwg D3476

mlo 07/08/23 X10

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA: ☒ Date: 07/08/21  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
07/08/21	2.0	Scrap one part program cut exterior before the holes	 05/08/21	Scrap detrop. replace Fix program	 07/08/21	 07/08/21	 07/08/21	 07/08/21

NOTE: Date & initial all entries

Date: Friday, 17/08/2007 11:21:23 AM  
User: Linda Lacelle

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SPACER RING

Job Number: 34085

Part Number: D34765

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

U 07/08/23

7.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: \_\_\_\_\_

U 07/08/24

8.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

(K)

U 07/08/27

Job Completion



U 07/08/24

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

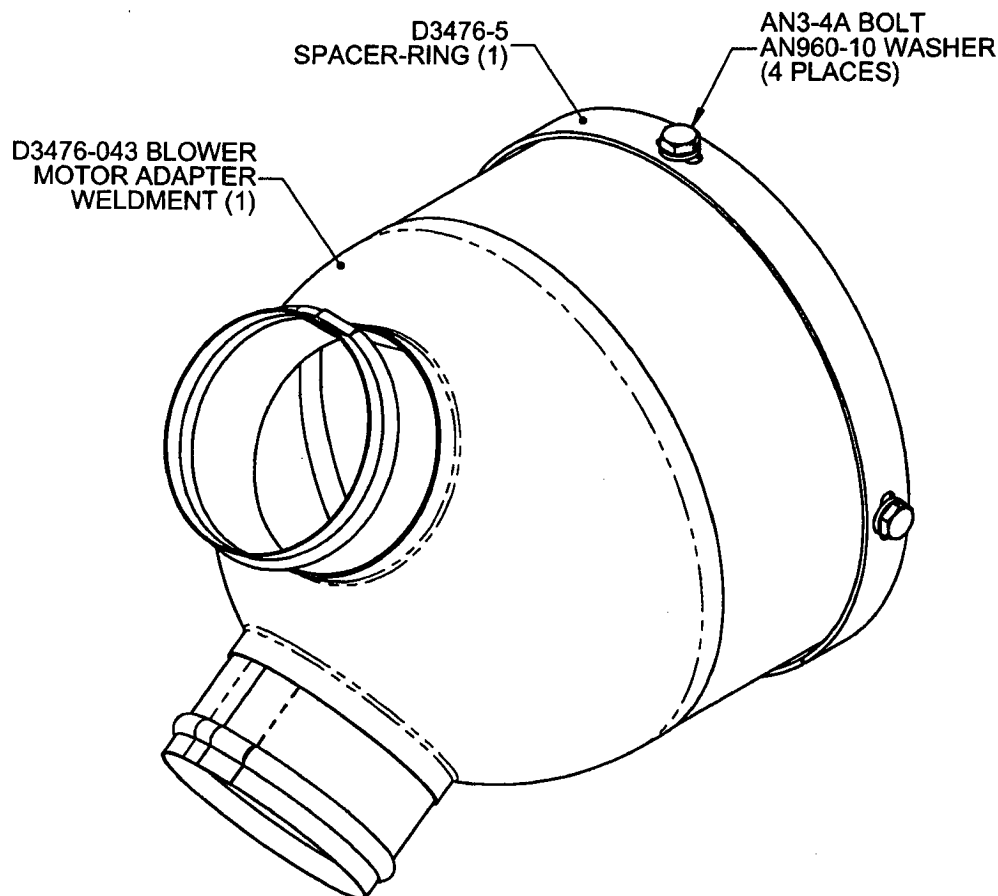
**NOTE:** Date & initial all entries





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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. <b>D3476</b>	REV. A SHEET 1 OF 7
DATE <b>06.01.27</b>		TITLE <b>BLOWER MOTOR ADAPTER</b>	SCALE 1:2
A	06.01.27	NEW ISSUE	

*[Signature]* 06.04.03



### **D3476-041 BLOWER MOTOR ADAPTER**

- 1) IDENTIFY WITH DART P/N D3476-041 USING FINE POINT PERMANENT INK MARKER

QTY -041	P/N	DESCRIPTION
X	D3476-041	BLOWER MOTOR ADAPTER
1	D3476-043	BLOWER MOTOR ADAPTER WELDMENT
1	D3476-5	SPACER-RING
4	AN3-4A	BOLT
4	AN960-10	WASHER

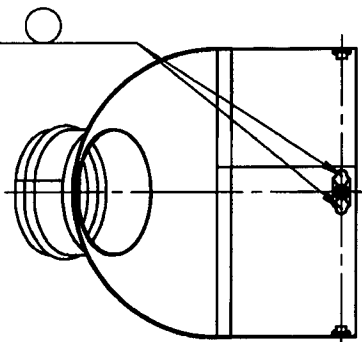
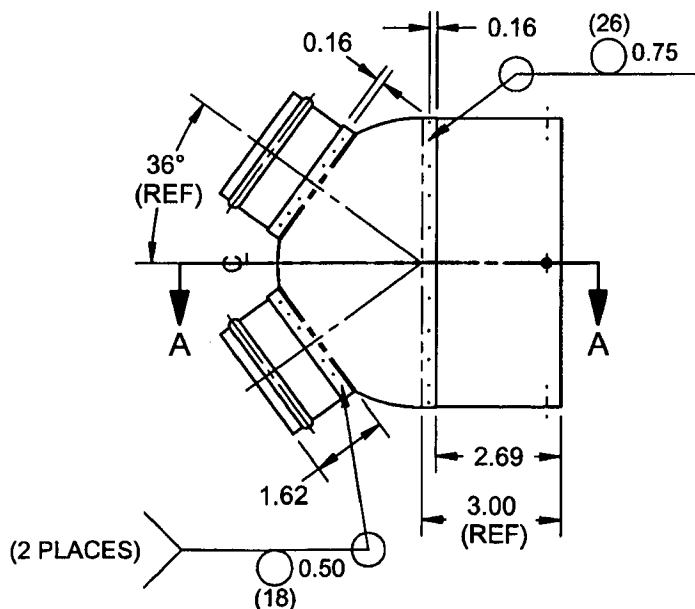
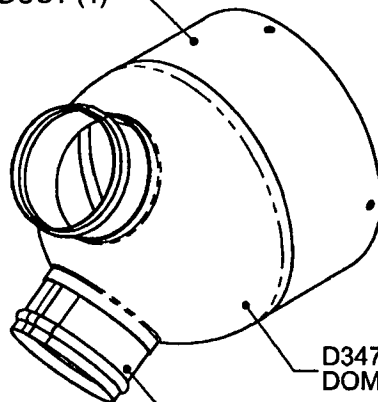
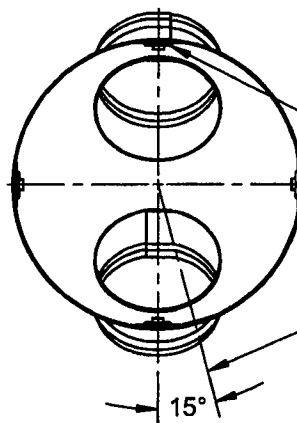
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WORK ORDER  
NO. 34085

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DATE <b>06.01.27</b>		TITLE <b>BLOWER MOTOR ADAPTER</b>	SCALE 1:4

LOCATE AND  
SPOT WELD  
NUT PLATES  
(4 PLACES)**SECTION A-A**D3476-1  
DUCT (1)D3476-3  
DOME (1)D3476-7 TUBE  
(2 PLACES)NAS-1031C3W  
NUT PLATES  
(4 PLACES)OFFSET SEAM  
ON DUCT  
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06-04-03K ORDER  
NO. 31085**D3476-043 BLOWER MOTOR  
ADAPTER WELDMENT****NOTES:**

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -043	P/N	DESCRIPTION
X	D3476-043	BLOWER MOTOR ADAPTER WELDMENT
1	D3476-1	DUCT
1	D3476-3	DOME
2	D3476-7	TUBE
4	NAS1031C3W	NUTPLATE

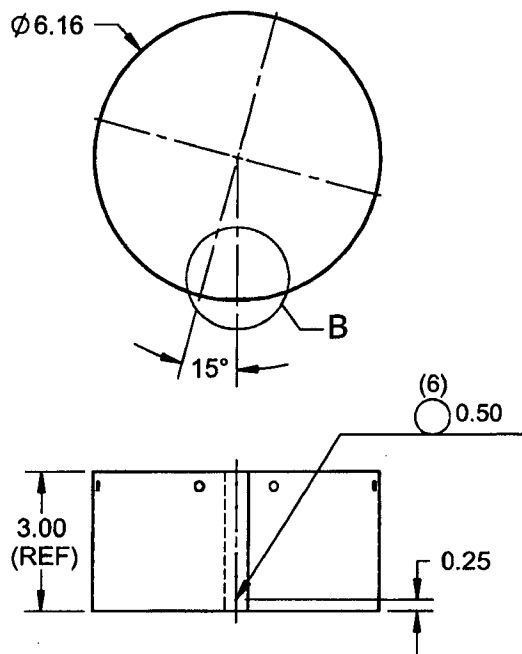
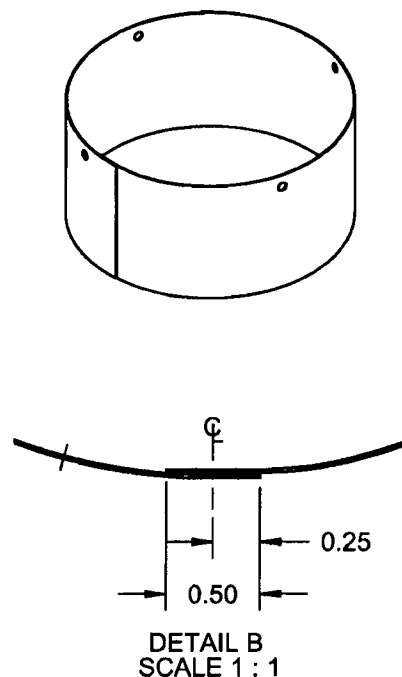
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DATE <b>06.01.27</b>		TITLE <b>BLOWER MOTOR ADAPTER</b>	SCALE 1:4

# 06.07.03

**D3476-1 DUCT****D3476-1F DUCT FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) SPOT WELD PER DART QSI 004
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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DRAWING NO.

REV. A

**D3476**

SHEET 4 OF 7

DATE

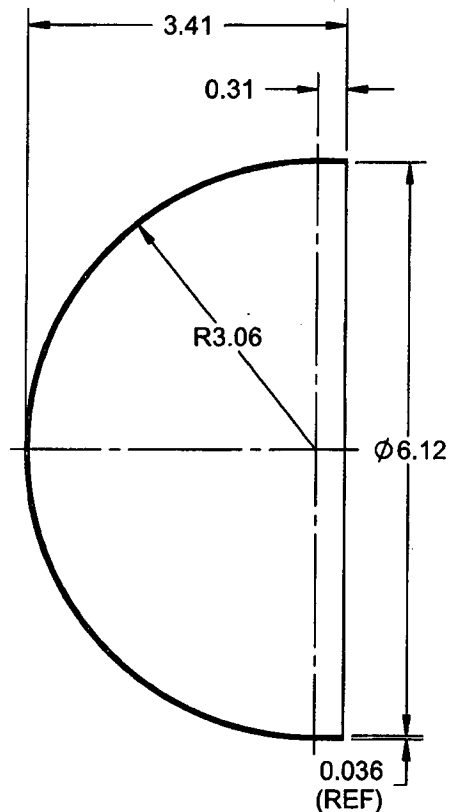
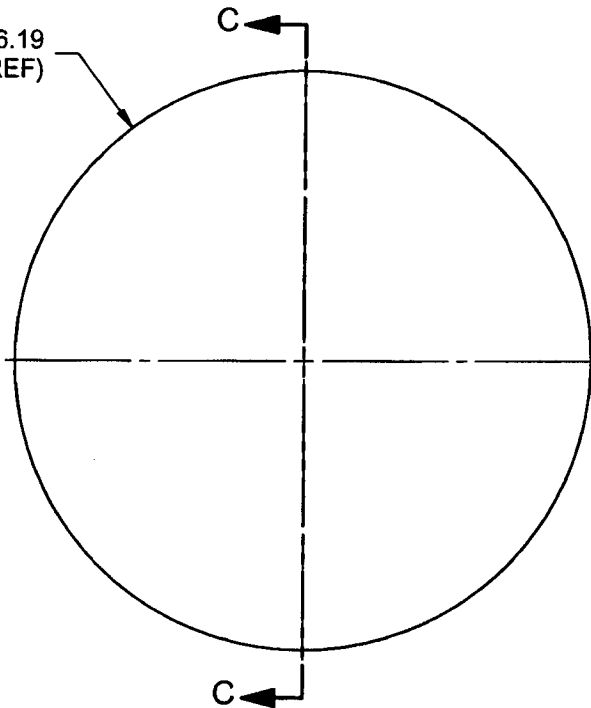
**06.01.27**

TITLE

SCALE

**BLOWER MOTOR ADAPTER****1:2**

RELEASED

06.04.03 *#* $\phi 6.19$   
(REF)**SECTION C-C****D3476-3S DOME, SPINNING DETAIL****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET, 0.036 THICK PER MIL-S-5019 (ANNEALED) 2B FINISH (REF. DART SPEC. M304S20GA)
- 2) FORM BY SPINNING TO DIMENSION WITHOUT EXCESS THINNING OF MATERIAL (MINIMUM THICKNESS = 0.025").
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

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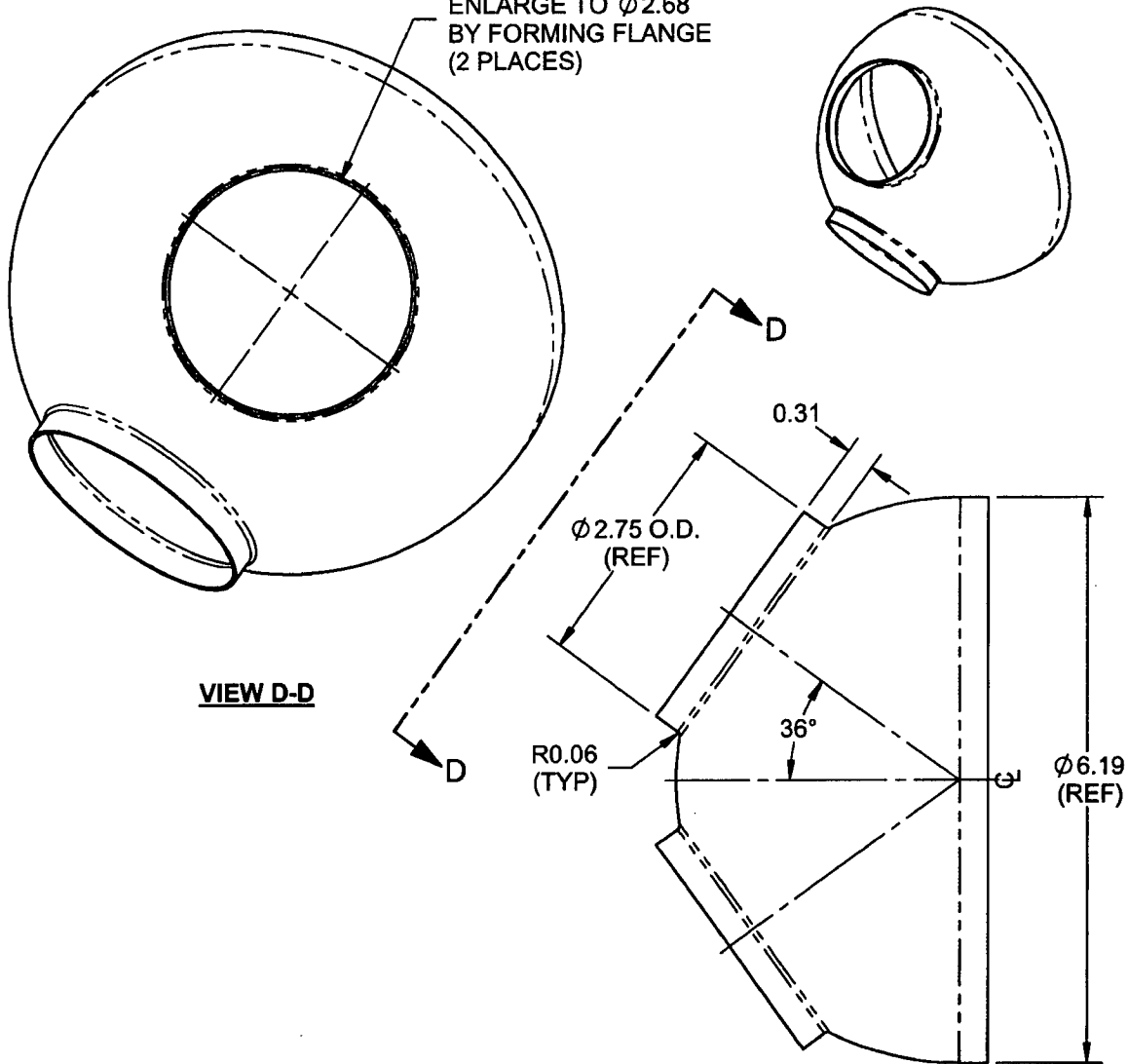
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DATE <b>06.01.27</b>		TITLE <b>BLOWER MOTOR ADAPTER</b>	SCALE 1:2

# 06.04.03

CUT  $\phi 2.25$  HOLE,  
ENLARGE TO  $\phi 2.68$   
BY FORMING FLANGE  
(2 PLACES)

**VIEW D-D****D3476-3 DOME****NOTES:**

- 1) MATERIAL: MAKE FROM D3476-3S
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

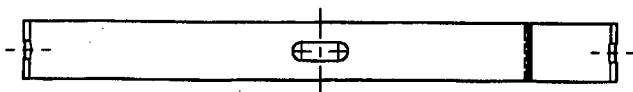
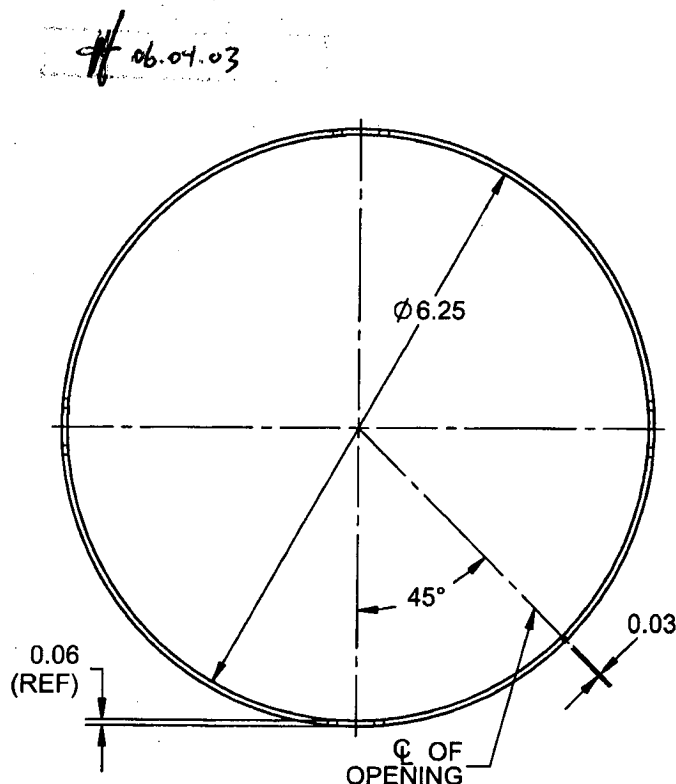
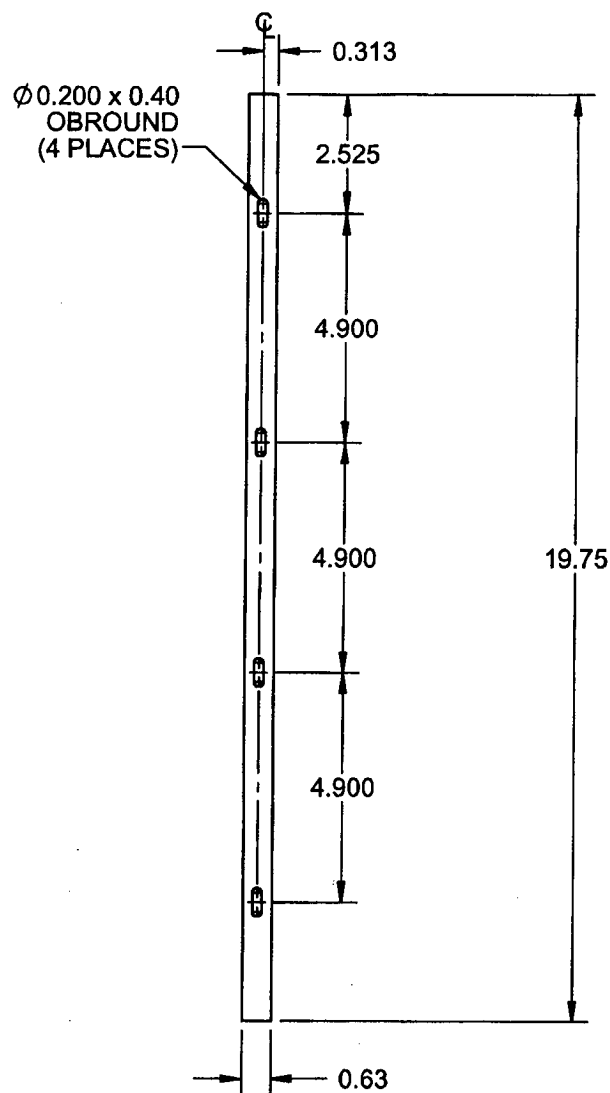
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DATE 06.01.27	TITLE BLOWER MOTOR ADAPTER		SCALE 1:2

**D3476-5 SPACER-RING****D3476-5F SPACER-RING  
FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET, 0.063 THICK, PER MIL-S-5019 (ANNEALED) 2B FINISH (REF. DART SPEC. M304S16GA)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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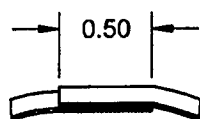
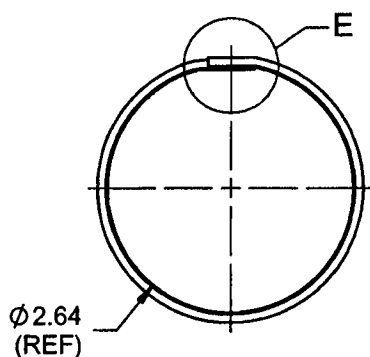
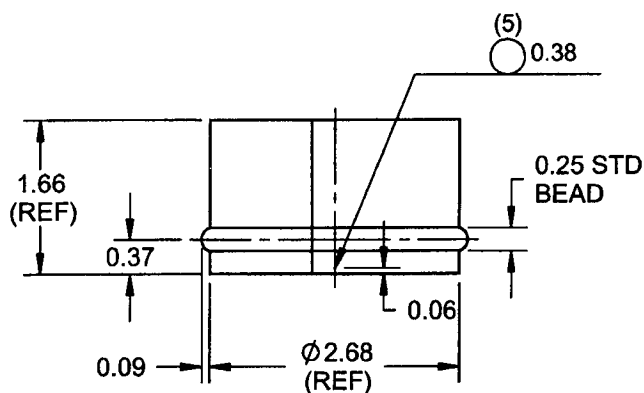
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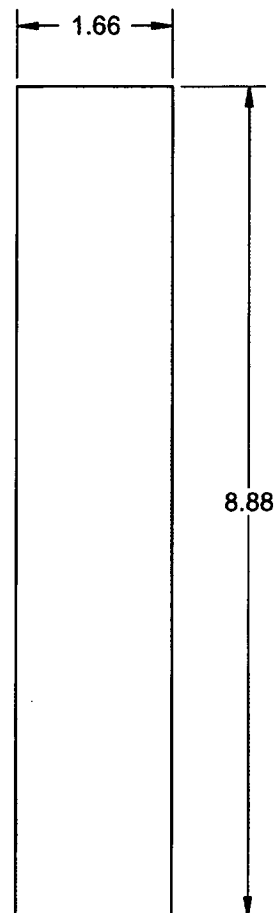
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DATE 06.01.27		TITLE BLOWER MOTOR ADAPTER	SCALE 1:2

*JB 06.04.03*



DETAIL E  
SCALE 1:1

### D3476-7 TUBE



### D3476-7 TUBE FLAT PATTERN

#### NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) SPOT WELD PER DART QSI 004
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